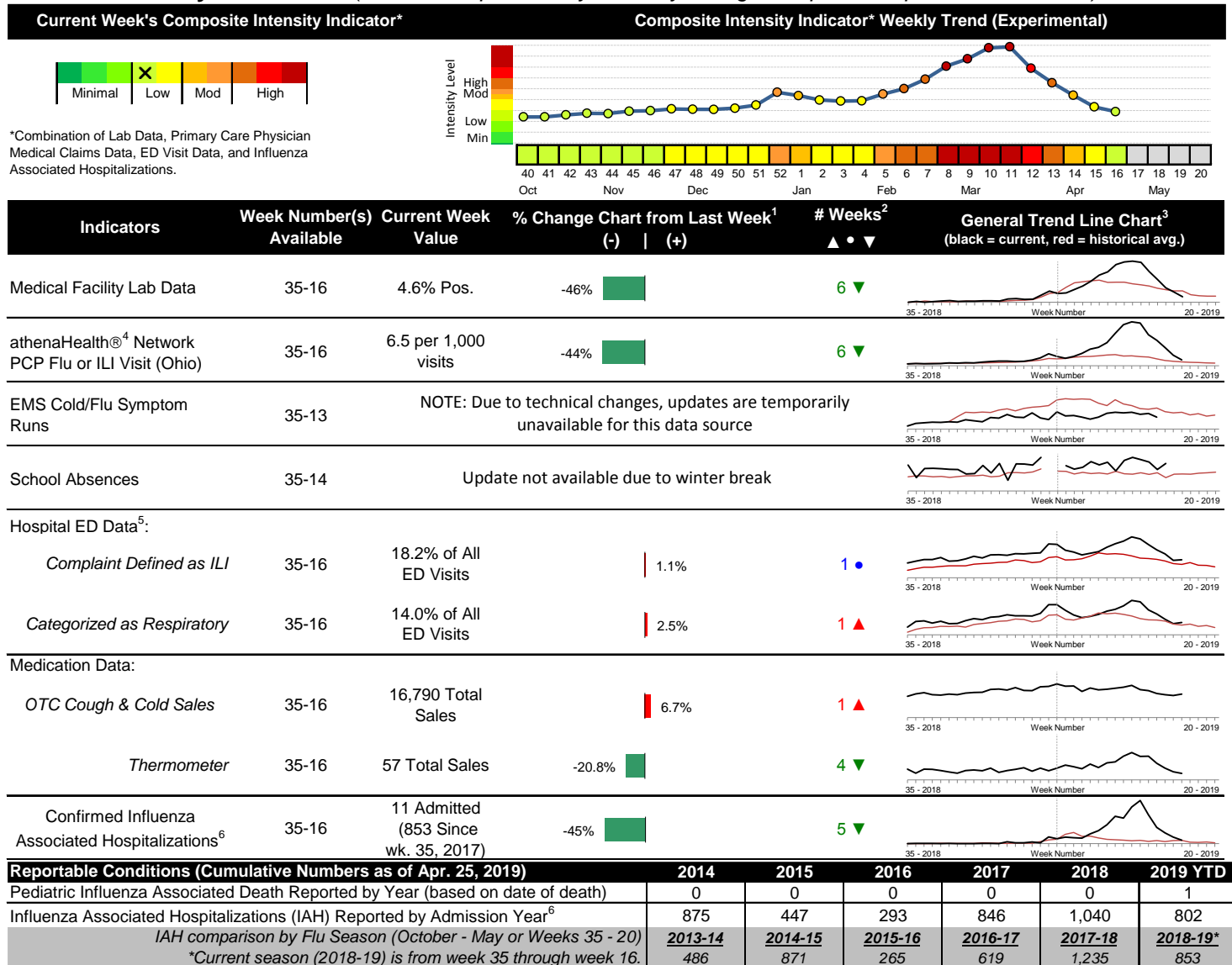


2018-2019 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 16, Apr. 14th, 2019– Apr. 20th, 2019)

Highlights

- In week 16 of 2019, the majority of individual local flu activity indicator trend values decreased compared to the previous week. As a whole, flu intensity (composite indicator) decreased and is Low.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, LOW
- Local medical facility labs reported 1,229 tests run with 56 (4.6%) positive results for week 16 of 2019.
- The percentage of ED visits for influenza-like-illness (ILI) was stable while respiratory symptom visits increased compared to last week.
- In week 16 of 2019, trends for the local over-the-counter medication category sales tracked were mixed (decrease in electrolyte, thermometer, pediatric anti-fever, and adult anti-fever sales; increase in cough and cold, chest rub, and throat lozenge sales) compared to last week.
- In the U.S., influenza activity decreased but remains elevated in the United States. Influenza A(H1N1)pdm09 viruses predominated from October to mid-February, and influenza A(H3N2) viruses have been more commonly identified since late February. Please [visit the CDC website for specific information](#).

Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: Medical claims data from athenaHealth® (www.athenahealth.com). Rate of Flu or ILI visits to Ohio (statewide) athenaHealth® network primary care practices/physicians. Claims data are subject to filing and processing time lags. Historical data are updated when they are received.

⁵Franklin County, OH residents only (based on zipcode). NOTE: Excludes one hospital system included in the past due to technical changes affecting visit classification assignment and numbers.

⁶Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 16, the preliminary Ohio¹ (statewide) influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (6.5 per 1,000 visits) decreased compared to the previous week and is above its baseline average for the week (Figure 1). The week 16 percentage of all Emergency Department (ED) visits categorized as ILI was stable compared to the previous week (Figure 3) and is slightly above its historic baseline for the week.

Nationally, during week 16 of 2019, 2.1% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is below the national baseline of 2.2% for week sixteen.

Laboratory Surveillance

During week 16 of 2019, reporting Franklin County sentinel medical facility laboratories tested 1,229 specimens, with 56 (4.6%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2018 through week 16 of 2019 is 59,714 with 9,570 (16.0%) positives (9,225 type A, 343 type B, 0 type A and B, 2 type unknown).

Nationally in week 16 of 2019, clinical laboratories reported 18,777 specimens tested for influenza viruses, 1,516 (8.1%) of which were positive (1,155 type A, 361 type B). Public health laboratories reported testing 584 specimens, 177 of which were positive (149 type A – of which 34 were A(H1N1)pdm09, 112 were H3N2, and 3 were not subtyped; 28 type B – of which 3 were Yamagata lineage, 18 were Victoria lineage, and 7 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 16 of 2019, Ohio clinical labs reported 75,087 specimens tested for influenza this season thus far. Positive results include: (440) A(H1N1)pdm09; (560) A/H3N2; (12,662) Flu A Not Subtyped, and (289) Flu B (through 4/20/2019). In week 16 of 2019, ODH Public Health Lab reported 1,287 positive influenza tests from specimens sent by various submitters this season so far. Positive results include: (658) A(H1N1)pdm09; (621) A/H3N2; (8) Influenza B (through 4/20/2019). Please visit the ODH website for more information.

ED Respiratory Visits

In the 16th week of 2019, the percentage of all ED visits categorized as respiratory increased compared to the percentage seen the previous week and is slightly above its baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 16 of 2019, trends for the local over-the-counter medication category sales tracked were mixed (decrease in electrolyte, thermometer, pediatric anti-fever, and adult anti-fever sales; increase in cough and cold, chest rub, and throat lozenge sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <https://odh.ohio.gov>

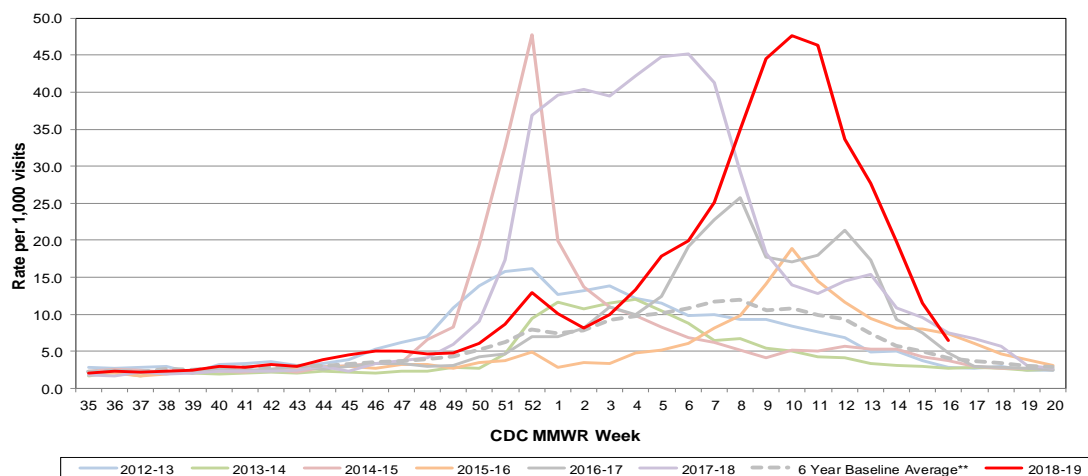
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

¹Note: County level athenaHealth® network primary care medical claims data is no longer available.

Columbus & Franklin County Influenza Monitoring Summary – Week 16, 2019 (4/14/2019-4/20/2019)

Figure 1: Ohio Outpatient Primary Care Provider Influenza or Influenza-Like-Illness Visit Rate*

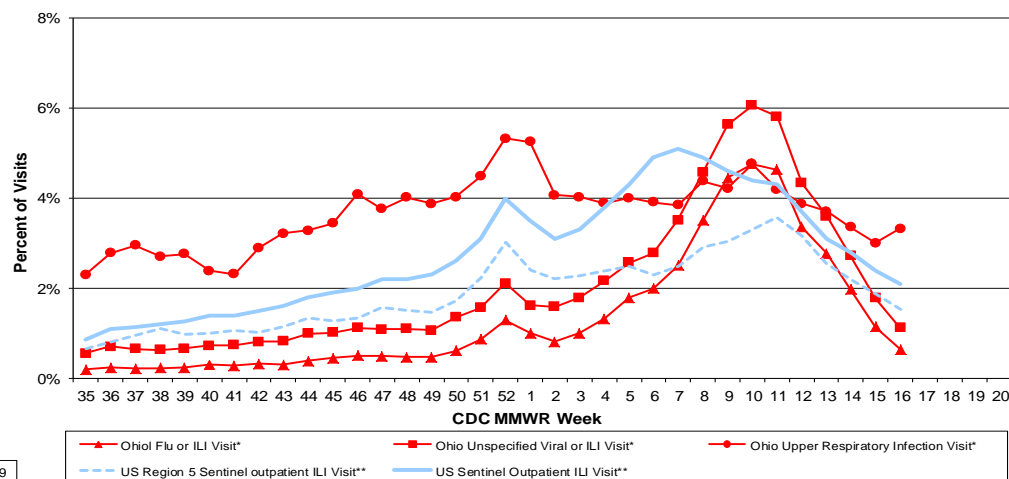


*Source: Ohio (Statewide) medical claims data from athenaHealth®

**Seasons: 2010-11, 2011-12, 2012-13, 2013-14, 2015-16, 2016-17

Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

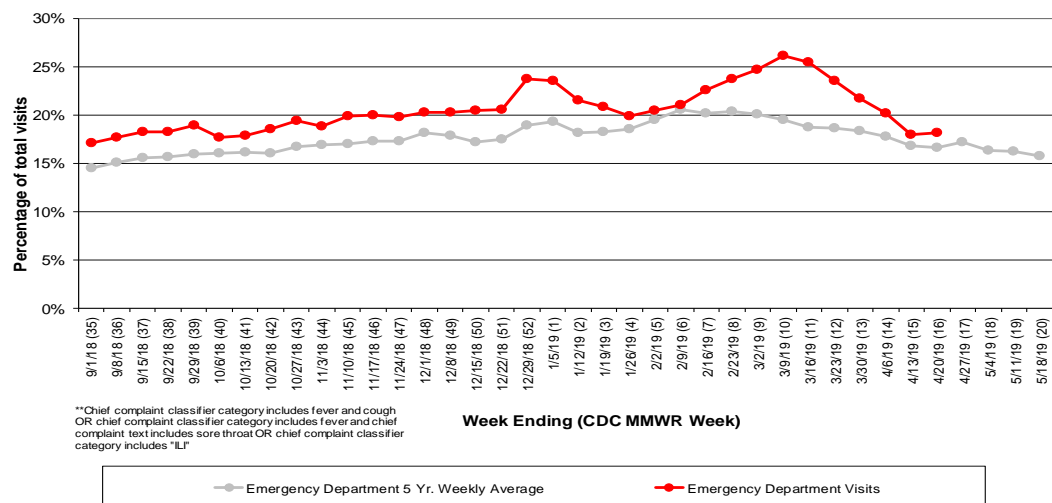
Figure 2: Percentage of Ohio Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider visits for ILI and Associated Illnesses, 2018-19**



*Source: Ohio (statewide) medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.

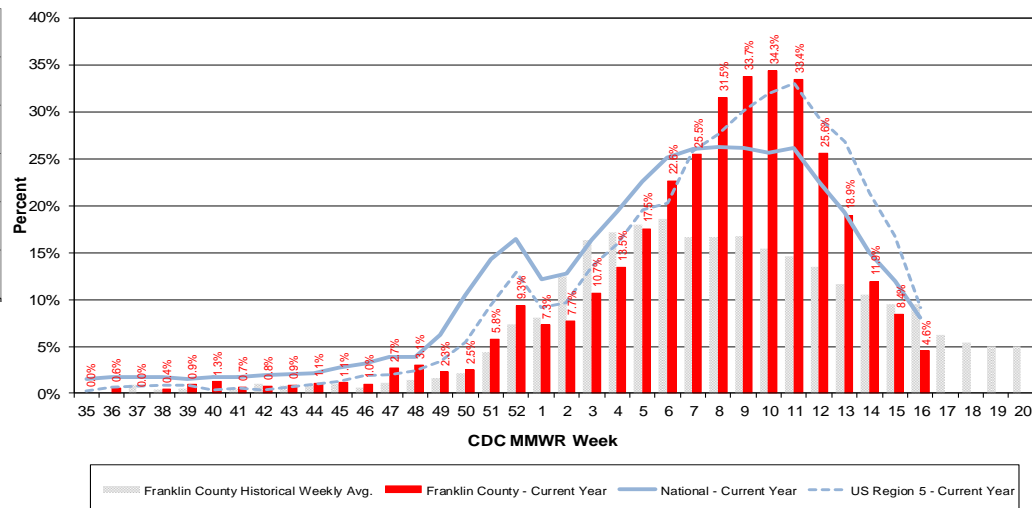
**Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits.

Figure 3: Franklin County Resident ILI Defined ED Visits, 2018-19, Franklin County, OH**



**Chief complaint classifier category includes fever and cough
OR chief complaint classifier category includes fever and chief
complaint text includes sore throat OR chief complaint classifier
category includes "ILI"

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2018-19



Columbus & Franklin County Influenza Monitoring Summary – Week 16, 2019 (4/14/2019-4/20/2019)

Figure 5: Franklin County Resident Respiratory ED Visits, 2018-19, Franklin County, OH

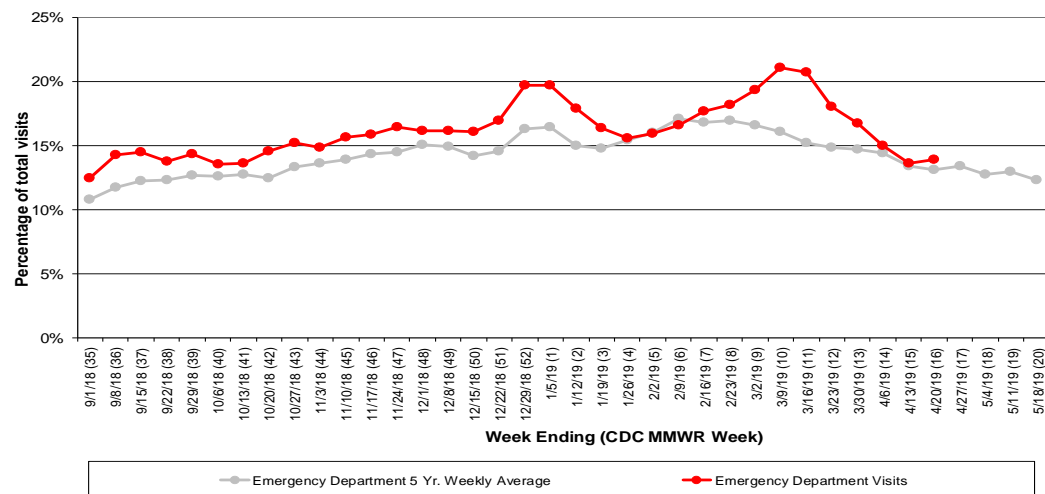


Figure 6: Selected Number of Over-the-Counter Medication Total Sales, 2018-19, Franklin County, OH

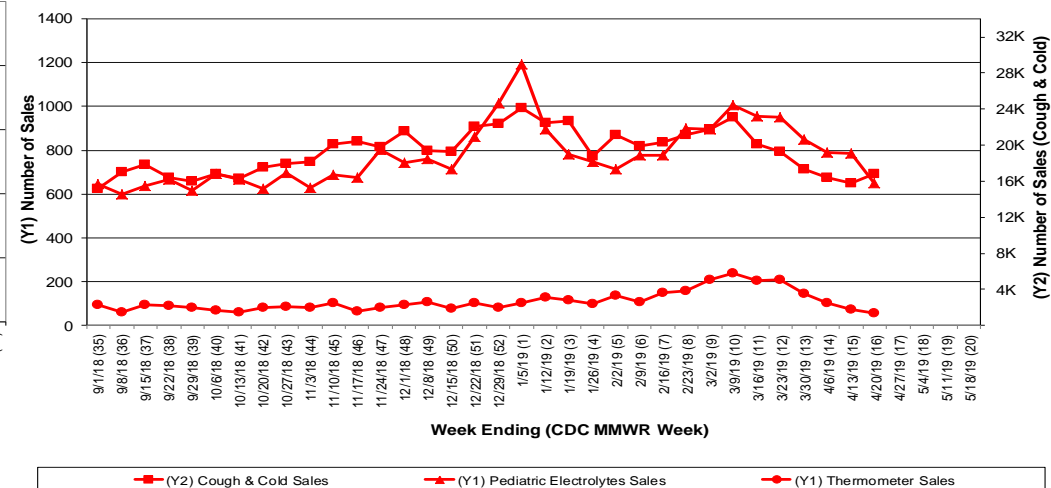
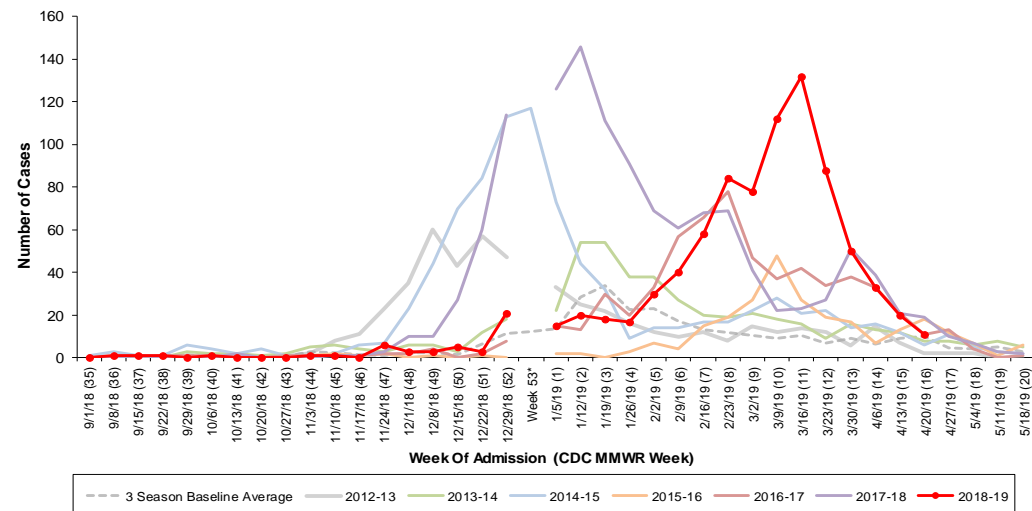


Figure 7: Columbus and Franklin County Jurisdiction Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 4/25/2019)



*Note: Certain years have a 53rd week (e.g., season 2014-15) based on CDCs MMWR Weeks.

Columbus and Franklin County, OH Jurisdiction Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2018-2019 Season

